

WE CLAIM:

1. A method of adhering a first material to a second material, comprising the steps of:

- a. positioning the first material on a work surface, with an adhesion zone exposed;
- b. applying an anchoring adhesive to the first material or to the second material or to both, to form a plurality of substantially isolated adhesive anchors separated by interstitial spaces;
- c. after the anchoring adhesive has gelled or cured, applying a bonding adhesive to the first material or to the second material or to both; and
- d. adhering the first and second materials together;

whereby the anchoring adhesive has a relatively higher degree of adhesion to the first material or to the second material or to both than the bonding adhesive, and the bonding adhesive intrudes into the interstitial spaces and bonds to the adhesive anchors.

2. The method of claim 1, in which the step of applying an anchoring adhesive to the first or second materials comprises the sub-steps of i. positioning a screen having a plurality of adhesive-impervious portions and adhesive-pervious portions in contact with at least the adhesion zone; ii. applying the anchoring adhesive through the adhesive-pervious portions of the screen; and iii. removing the screen.

3. The method of claim 2, in which the adhesive anchors are applied in a uniform pattern.

4. The method of claim 3, in which the screen provides a grid of adhesive-impervious portions.

5. The method of claim 1, in which the bonding adhesive is flexible.

6. The method of claim 6, in which the anchoring adhesive is rigid.

7. The method of claim 1, further comprising, before step c., the steps of
  - i. positioning the second material on a work surface, with an adhesion zone exposed; and
  - ii. applying an anchoring adhesive to the second material, to form a plurality of substantially isolated adhesive anchors separated by interstitial spaces.
8. A product produced according to the method of claim 1.
9. A product produced according to the method of claim 2.
10. A product produced according to the method of claim 3.
11. A method of adhering a casting adhesive to a material, comprising the steps of:
  - a. positioning the material on a work surface, with an adhesion zone exposed;
  - b. applying an anchoring adhesive to the material, to form a plurality of substantially isolated adhesive anchors separated by interstitial spaces; and
  - c. after the anchoring adhesive has gelled or cured, applying a casting adhesive to the material;

whereby the anchoring adhesive has a relatively higher degree of adhesion to the material than the casting adhesive, and the casting adhesive intrudes into the interstitial spaces and bonds to the adhesive anchors.

12. The method of claim 11, in which the step of applying an anchoring adhesive to the material comprises the sub-steps of i. positioning a screen having a plurality of adhesive-impervious portions and adhesive-pervious portions in contact with at least the adhesion zone; ii. applying the anchoring adhesive through the adhesive-pervious portions of the screen; and iii. removing the screen.
13. The method of claim 12, in which the adhesive anchors are applied in a uniform pattern.

14. The method of claim 13, in which the screen provides a grid of adhesive-impervious portions.
15. The method of claim 11, in which the casting adhesive is flexible.
16. The method of claim 15, in which the anchoring adhesive is rigid.
17. A product produced according to the method of claim 11.
18. A product produced according to the method of claim 12.
19. A product produced according to the method of claim 13.